

FITZPATRICK, CELLA, HARPER & SCINTO  
30 ROCKEFELLER PLAZA  
NEW YORK, NEW YORK 10112  
212-218-2100

INVENTOR: Masaharu Shimakawa et al.  
TITLE: Recording Apparatus and Data etc.  
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Docket No.: 03500.111239.

FIG. 1

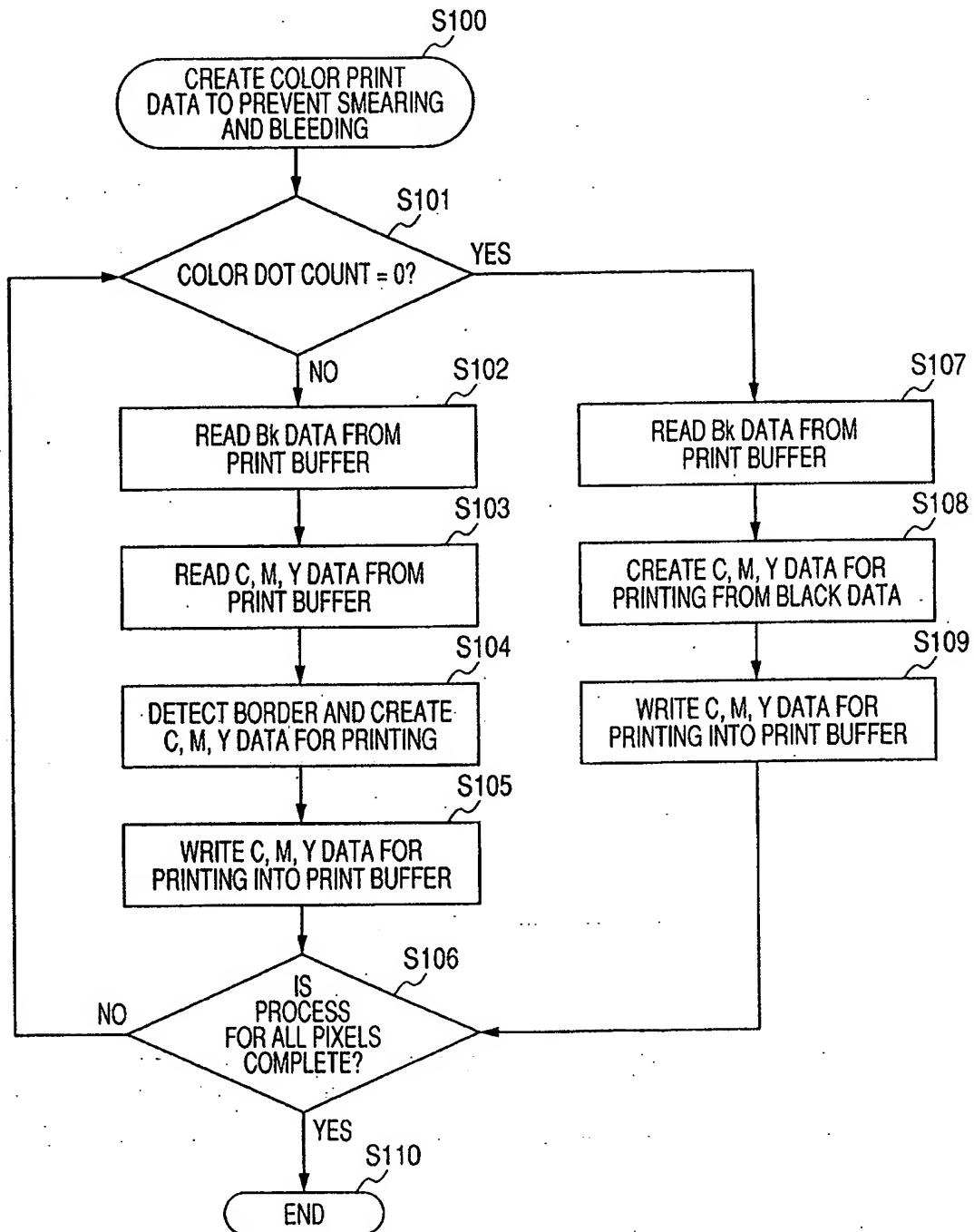


FIG. 2

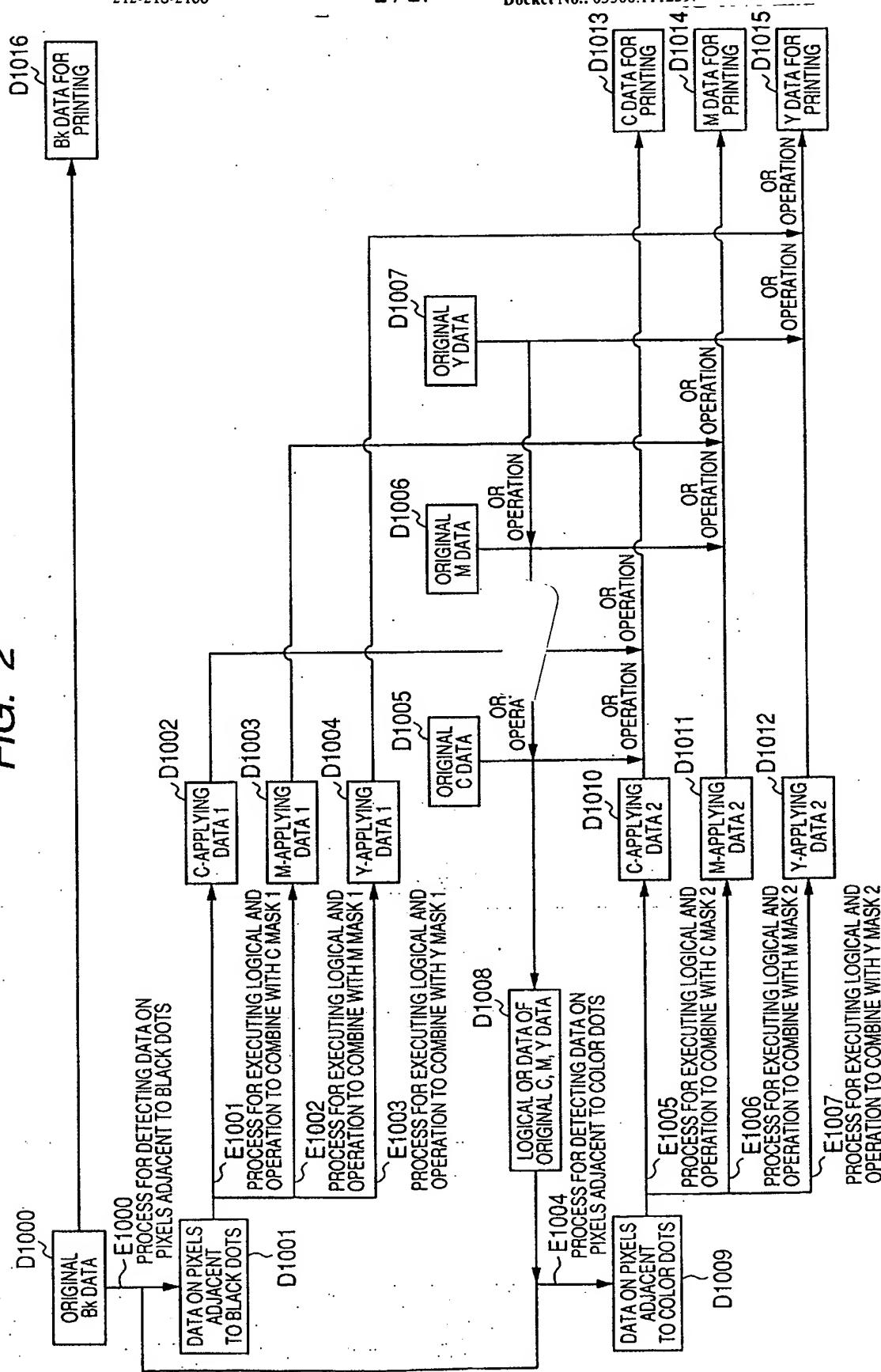
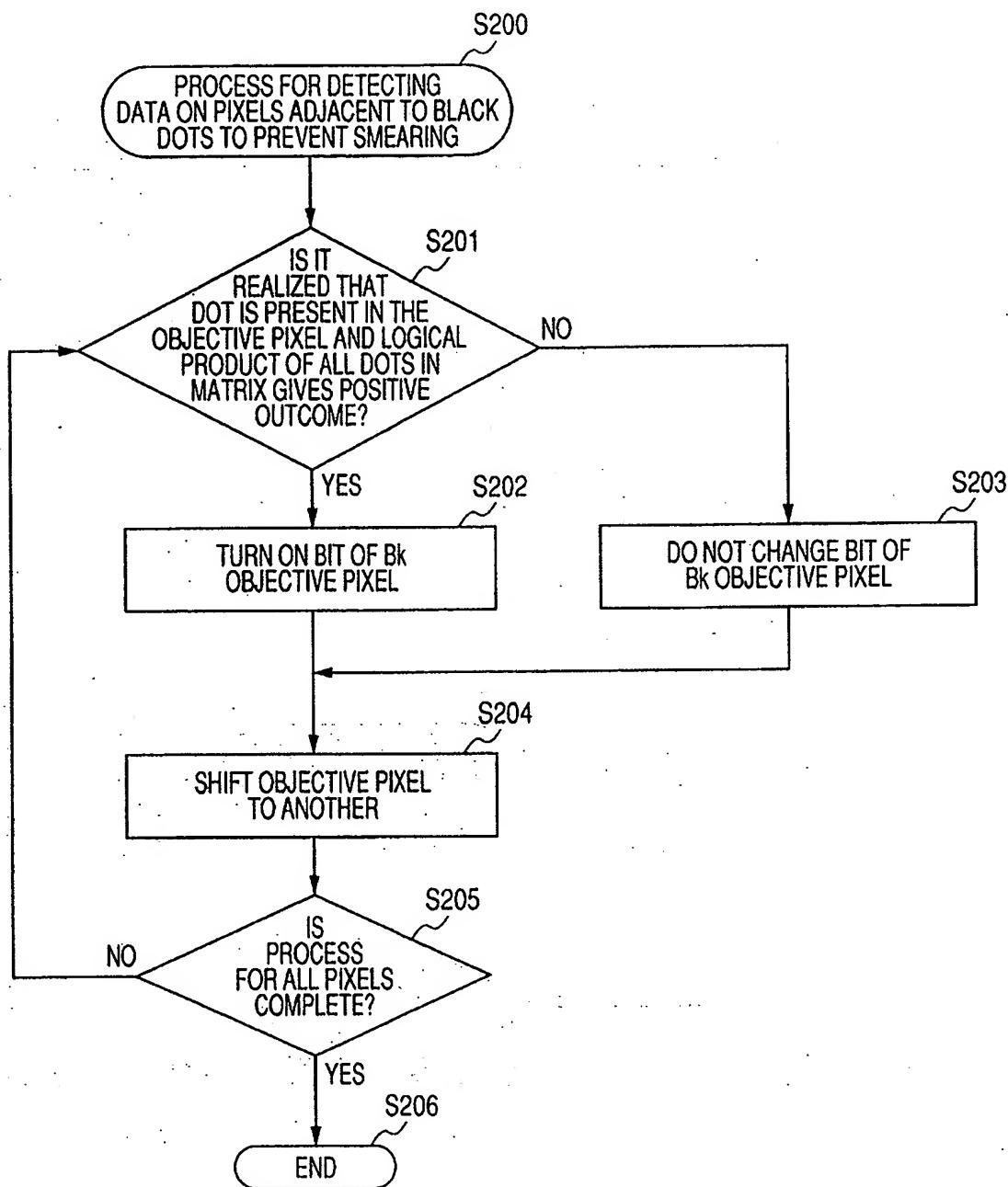


FIG. 3



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OBJECTIVE PIXEL

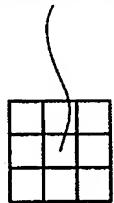


FIG. 4A

ORIGINAL BLACK IMAGE

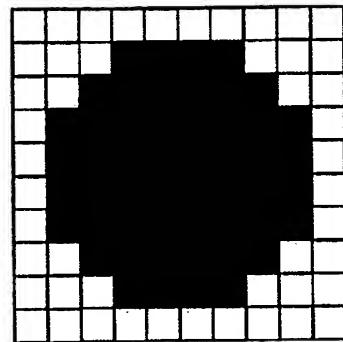


FIG. 4B

BLACK DOT ADJACENT PIXEL IMAGE

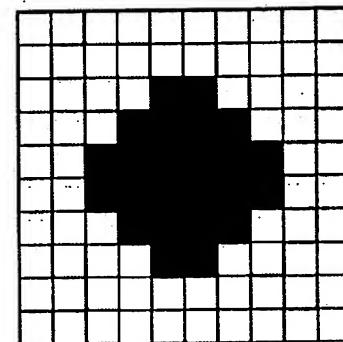
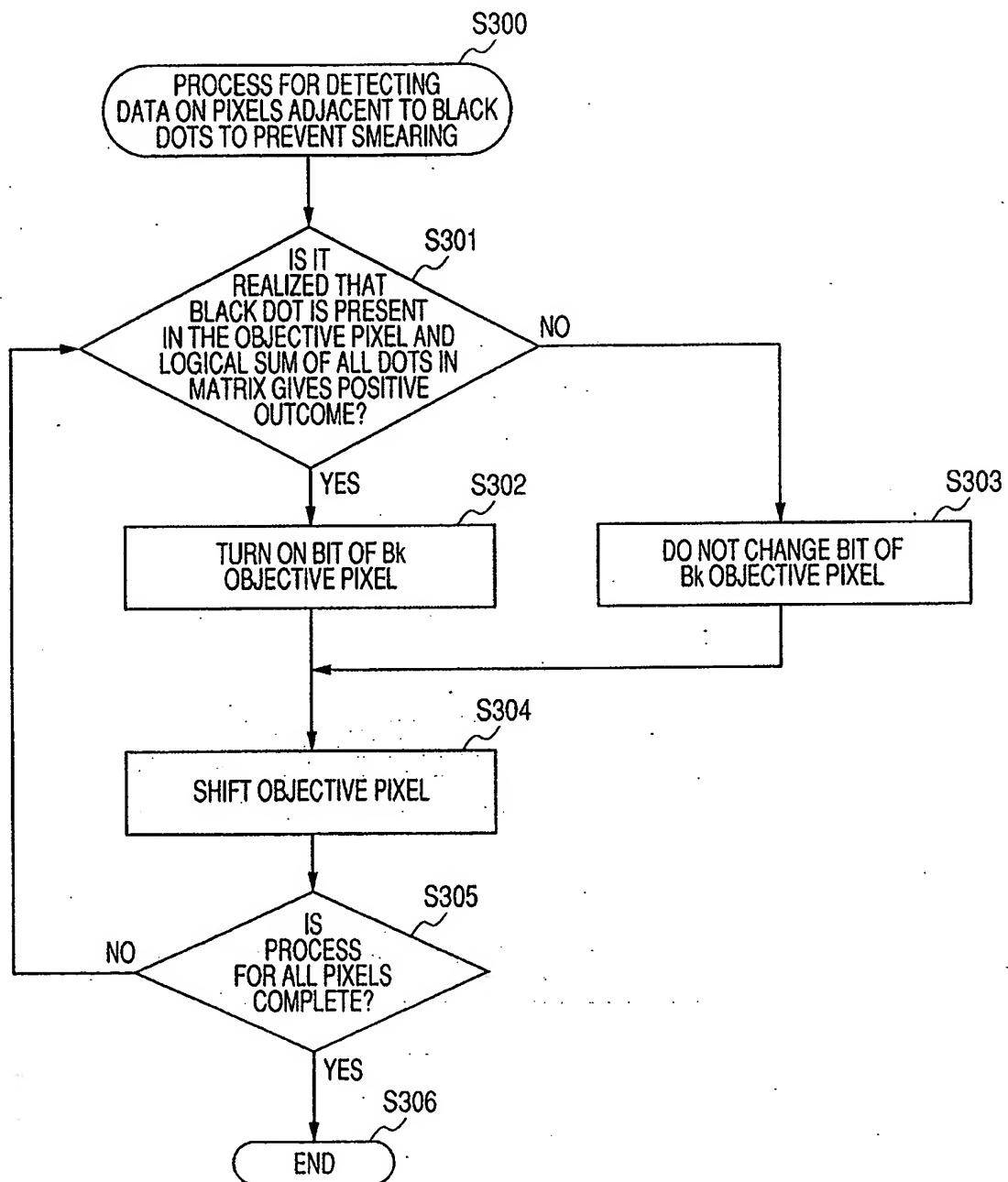


FIG. 4C

FIG. 5



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OBJECTIVE PIXEL

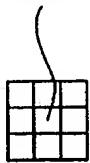


FIG. 6A

ORIGINAL  
BLACK IMAGE

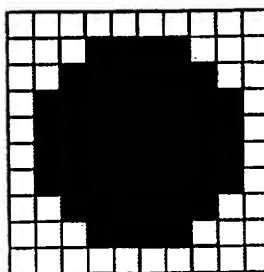


FIG. 6B

ORIGINAL  
COLOR IMAGE

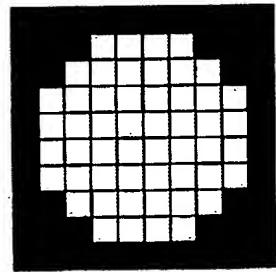


FIG. 6C

COLOR DOT  
ADJACENT PIXEL IMAGE

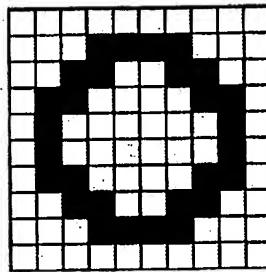


FIG. 6D

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BLACK DOT ADJACENT  
DEVELOPED PIXEL DATA

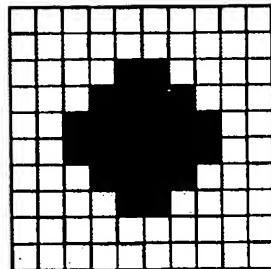


FIG. 7A

CYAN MASK (18%)

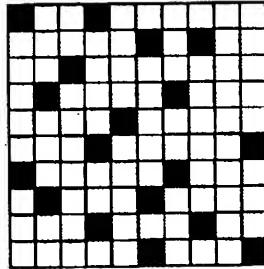


FIG. 7B

CYAN-APPLYING  
DATA

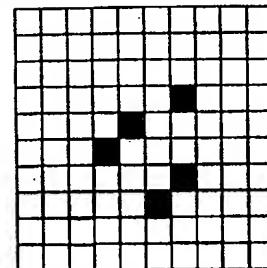


FIG. 7E

MAGENTA MASK (6%)

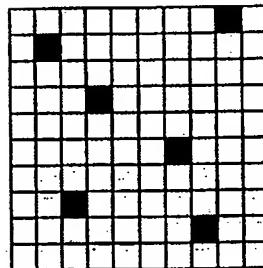


FIG. 7C

MAGENTA-APPLYING  
DATA

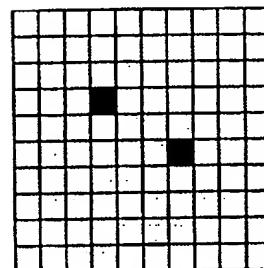


FIG. 7F

YELLOW MASK (5%)

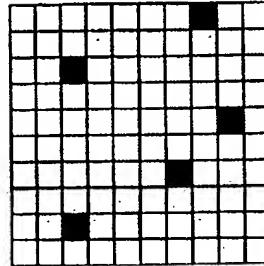


FIG. 7D

YELLOW-APPLYING  
DATA

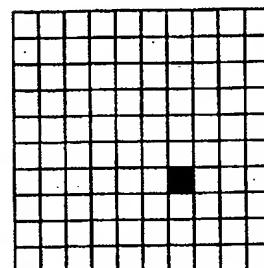


FIG. 7G

COLOR DOT ADJACENT  
DEVELOPED PIXEL DATA

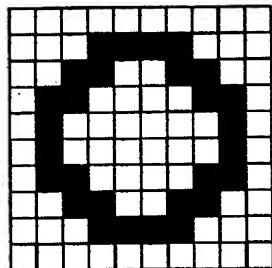


FIG. 8A

CYAN MASK 2 (30%)

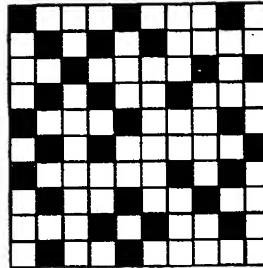


FIG. 8B

CYAN-APPLYING  
DATA

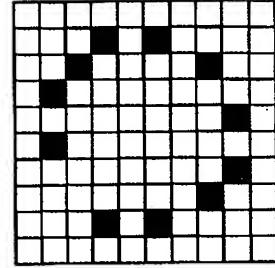


FIG. 8E

MAGENTA MASK 2 (5%)

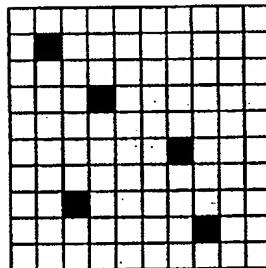


FIG. 8C

MAGENTA-APPLYING  
DATA

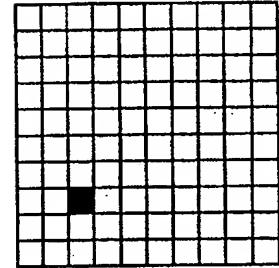


FIG. 8F

YELLOW MASK 2 (5%)

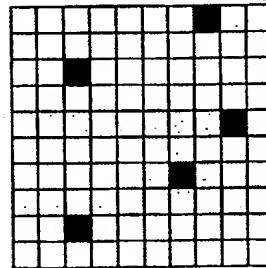


FIG. 8D

YELLOW-APPLYING  
DATA

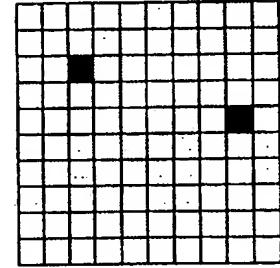


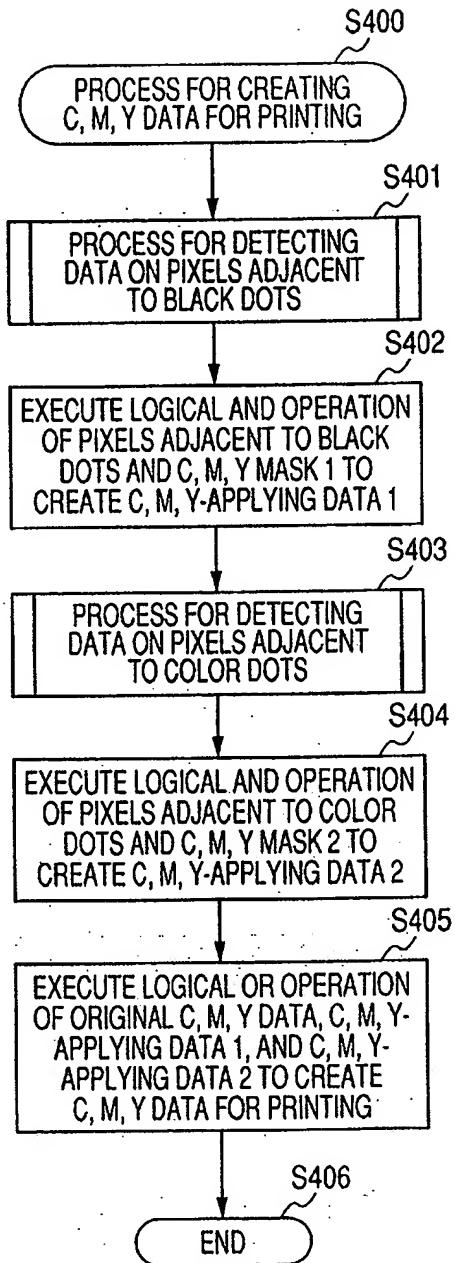
FIG. 8G

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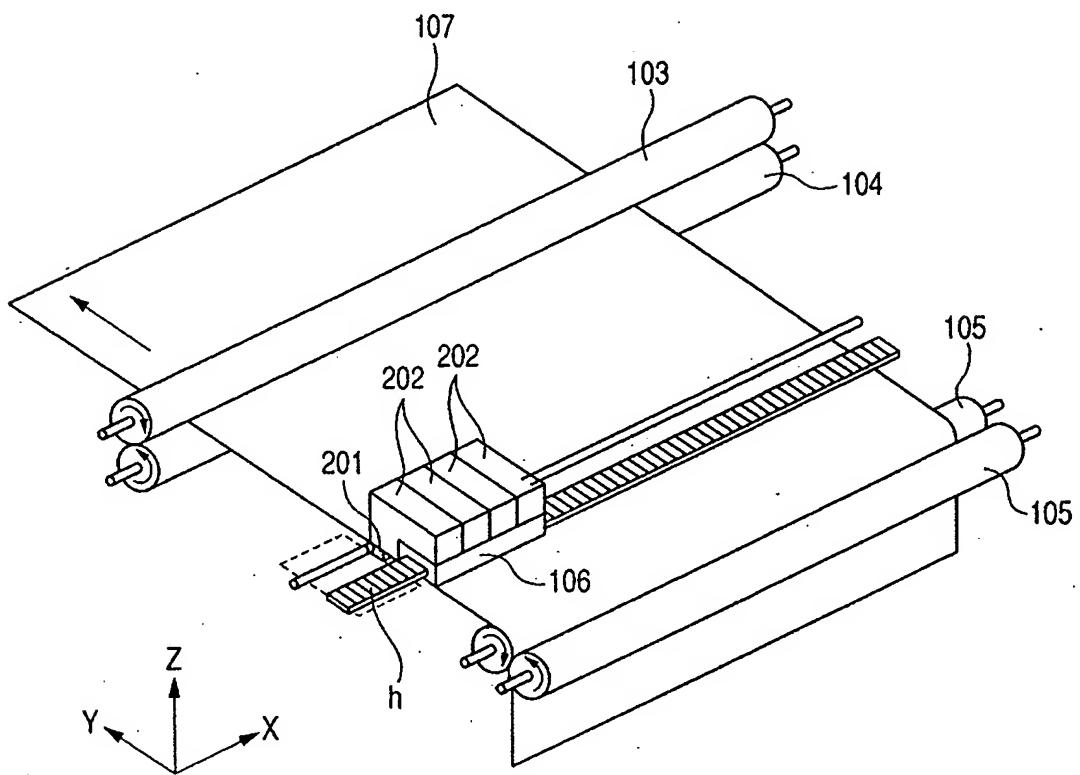
FIG. 9



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FIG. 10



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FIG. 11

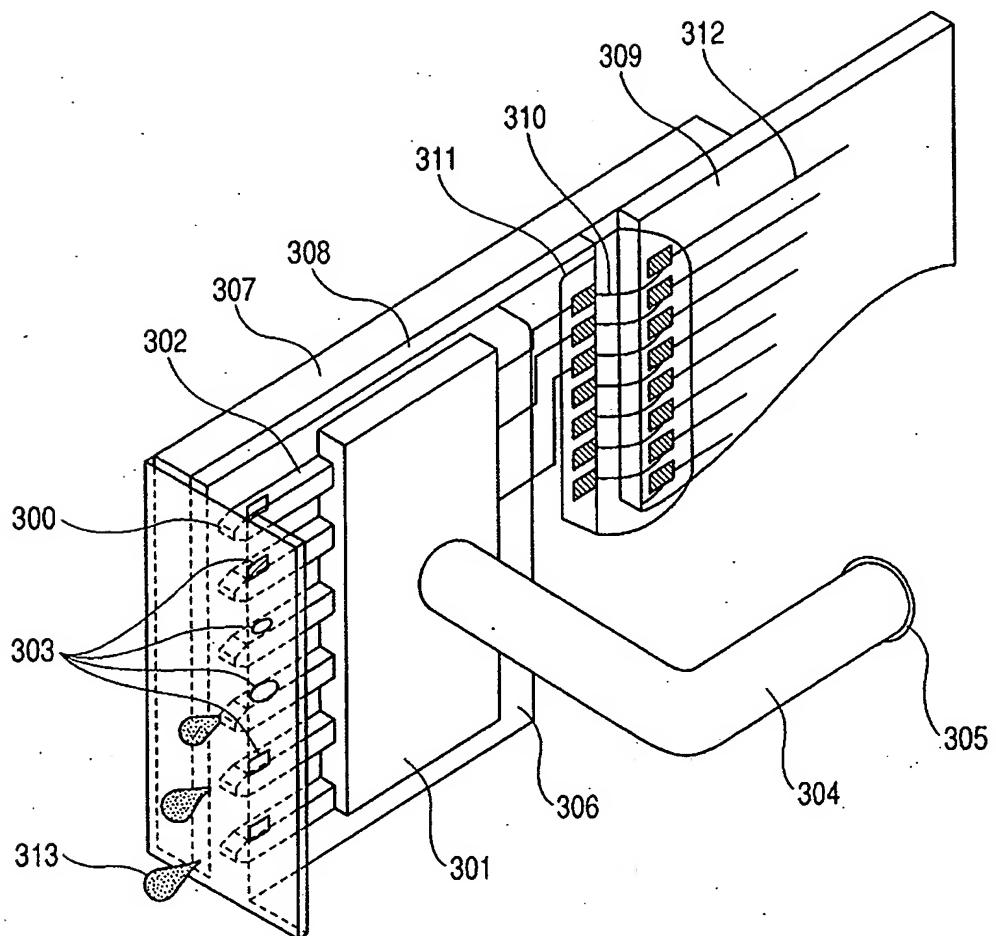


FIG. 12

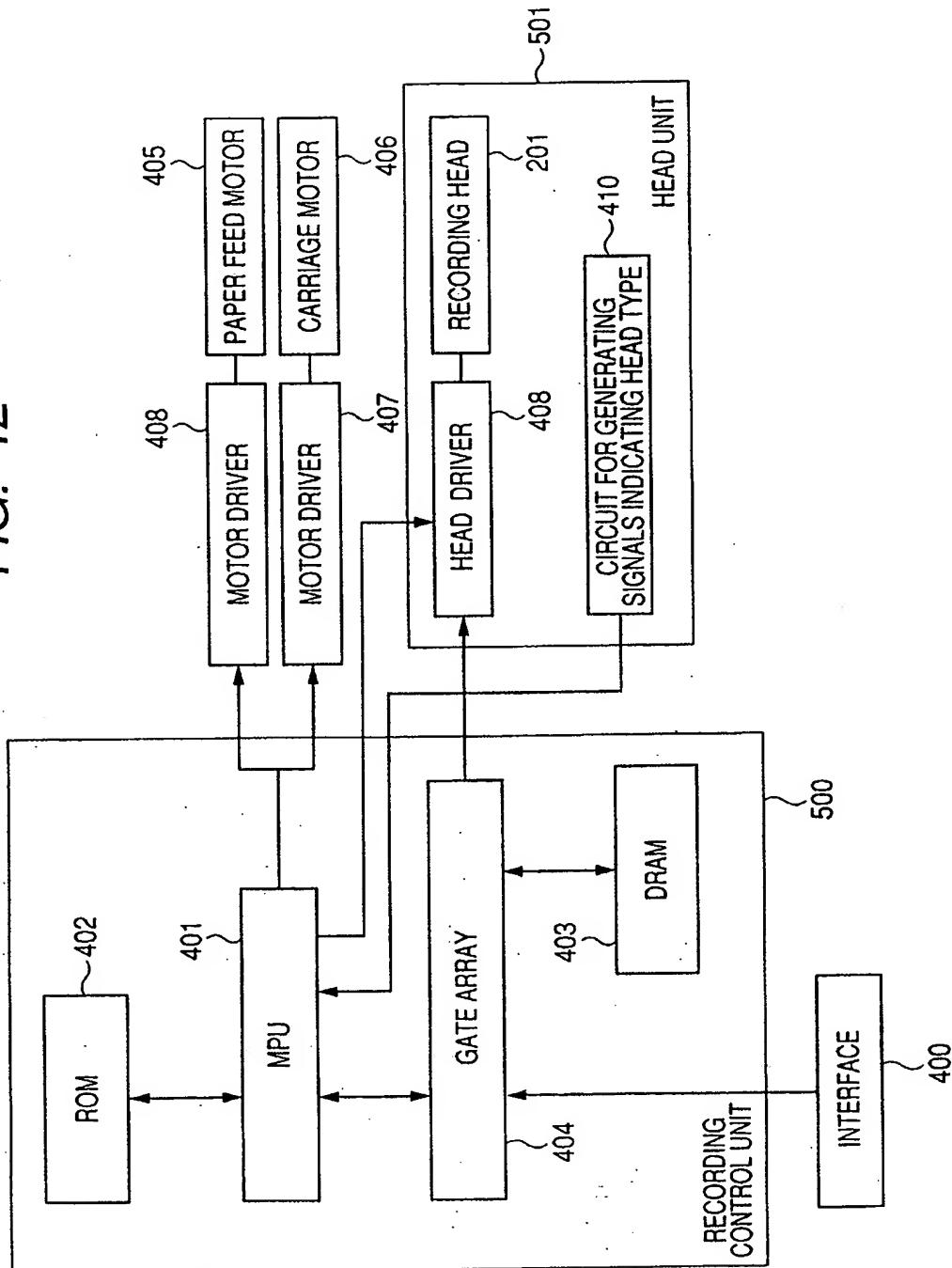
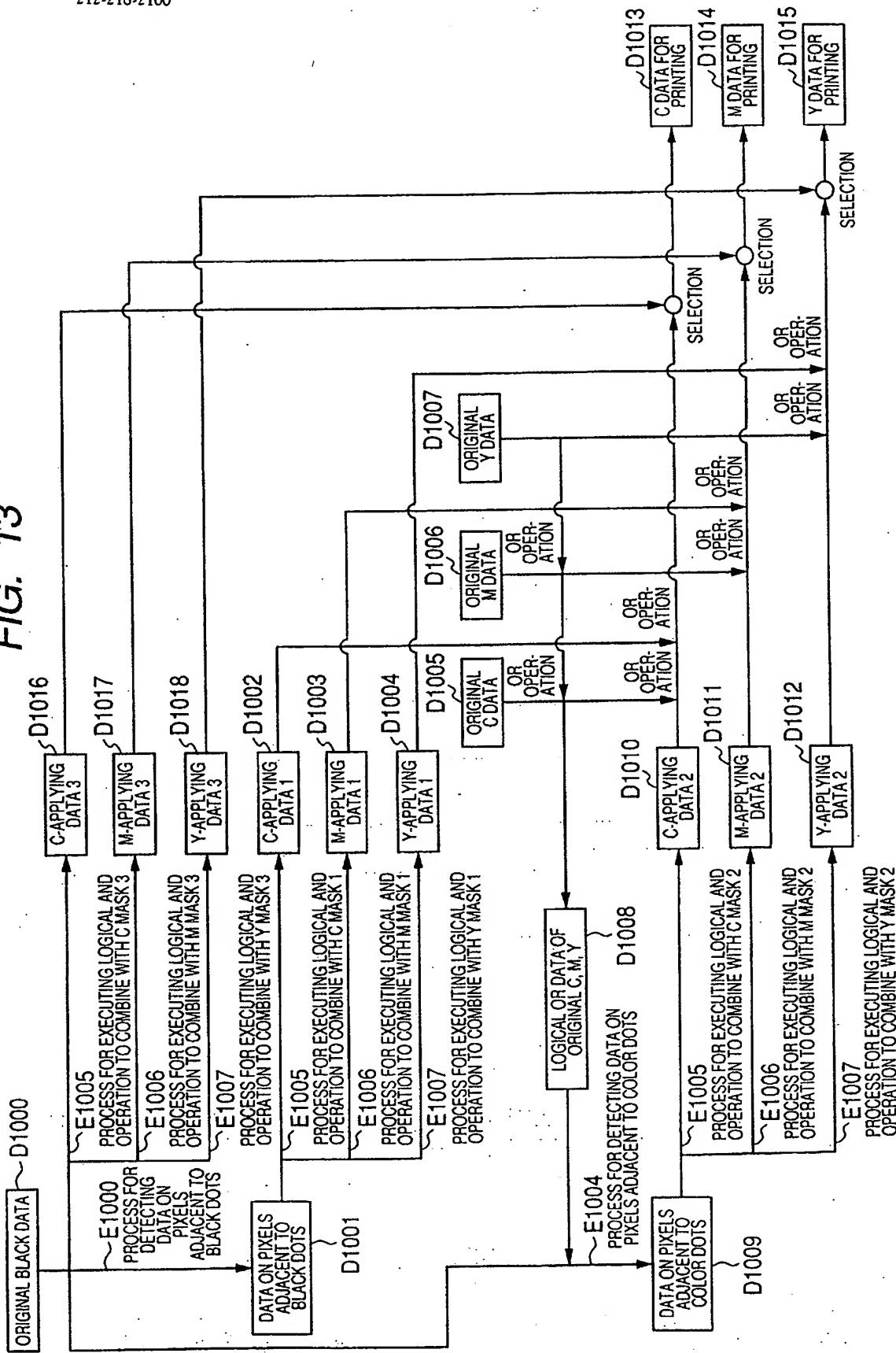


FIG. 13



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ORIGINAL BLACK  
DATA

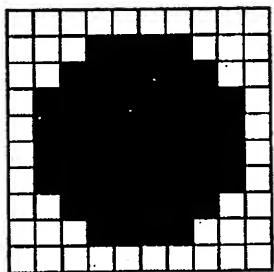


FIG. 14A

CYAN MASK (20%)

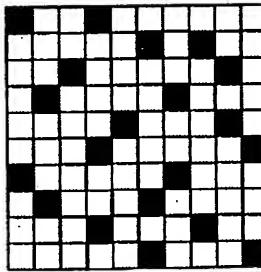


FIG. 14B

CYAN-APPLYING  
DATA

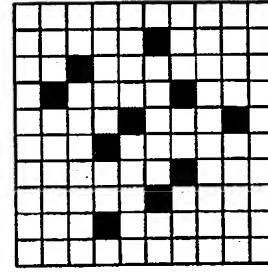


FIG. 14E

MAGENTA MASK (6%)

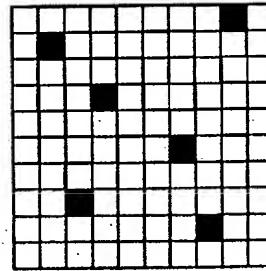


FIG. 14C

MAGENTA-APPLYING  
DATA

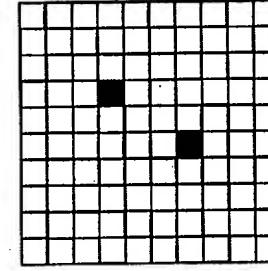


FIG. 14F

YELLOW MASK (5%)

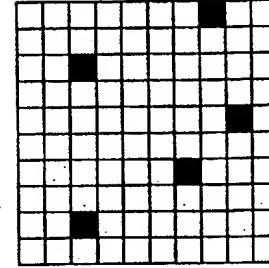


FIG. 14D

YELLOW-APPLYING  
DATA

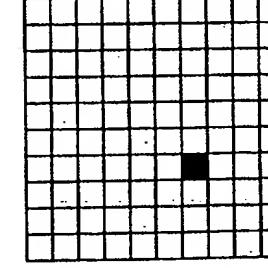
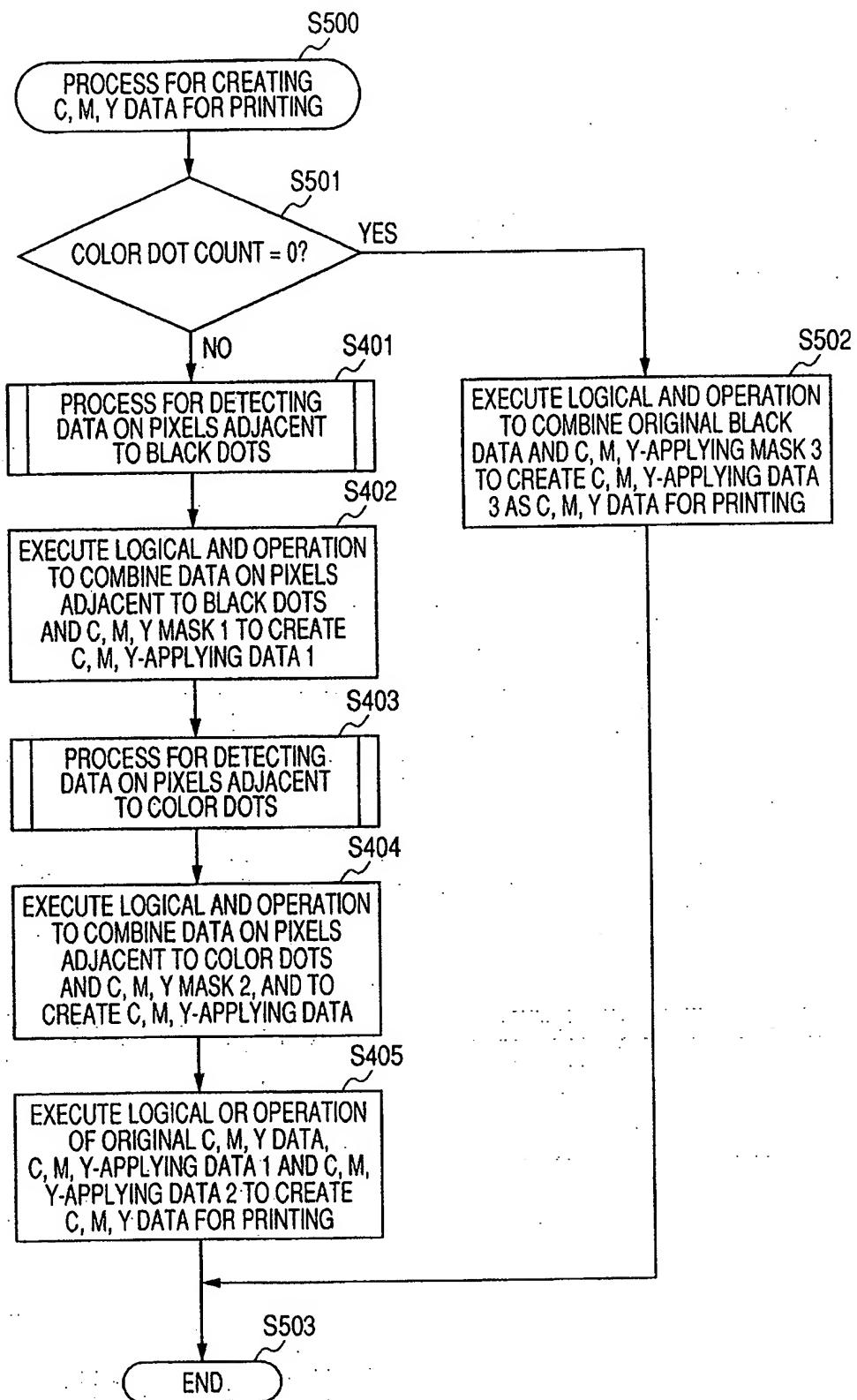


FIG. 14G

FIG. 15



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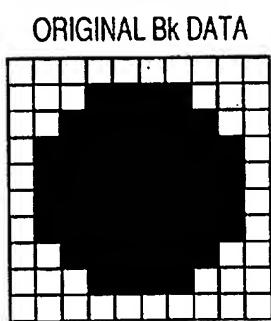


FIG. 16A

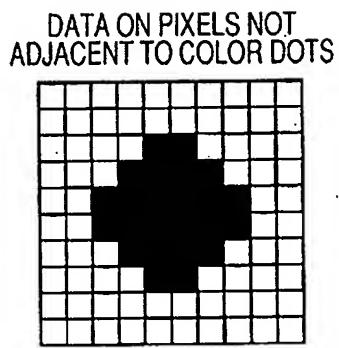


FIG. 16C

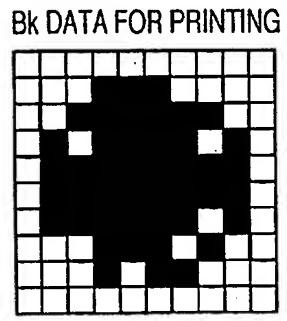


FIG. 16E

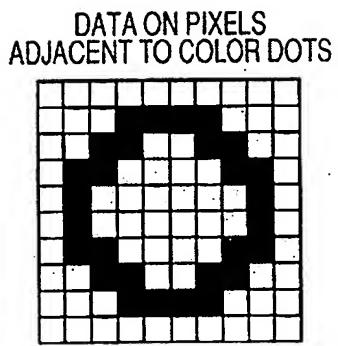


FIG. 16B

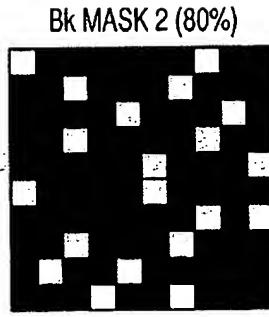


FIG. 16D

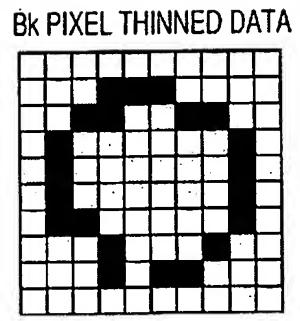
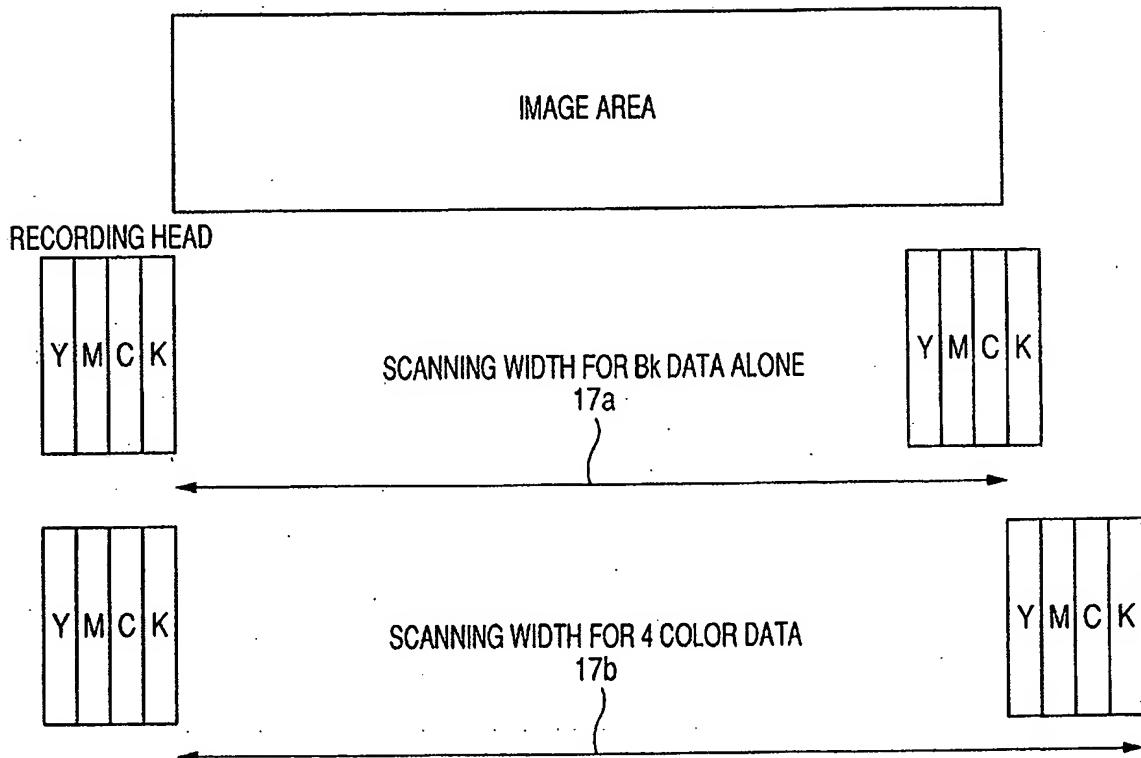


FIG. 16F

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FIG. 17



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## FIG. 18

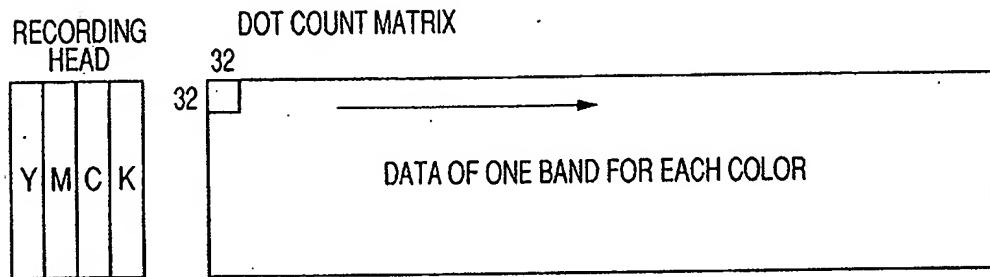
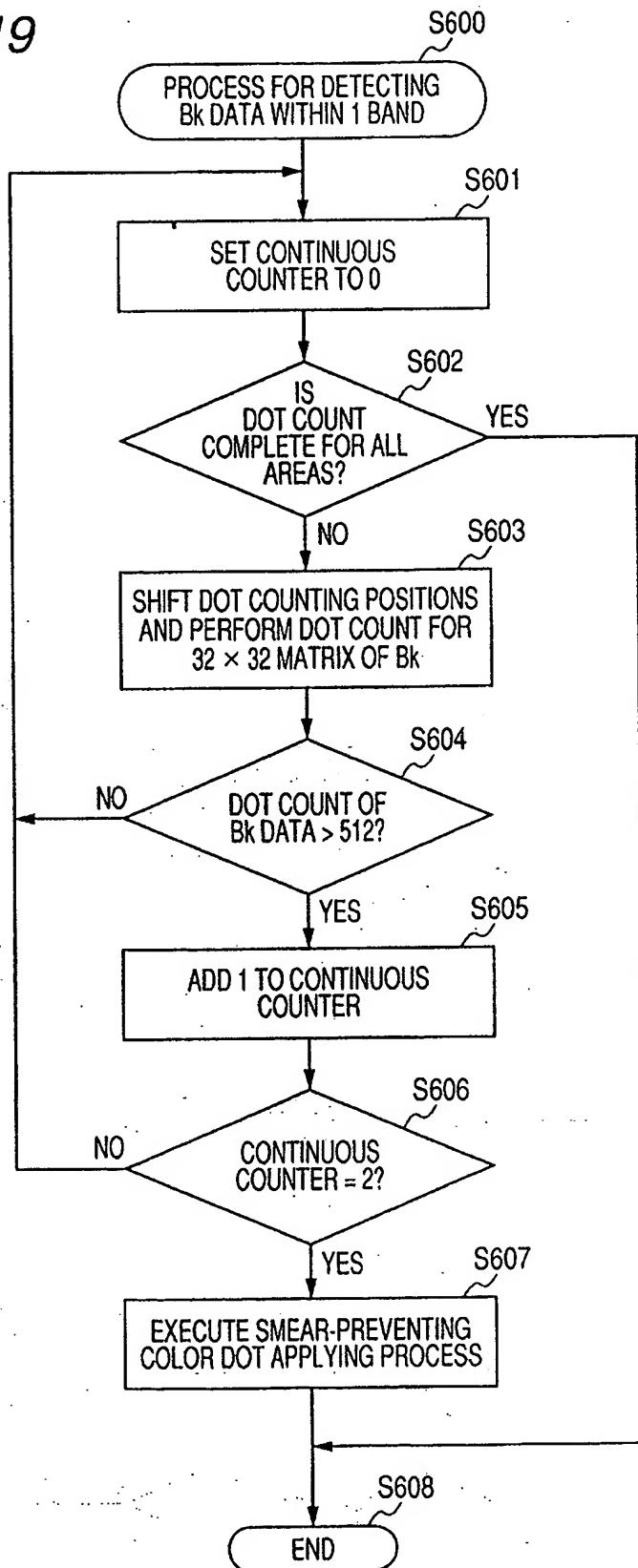


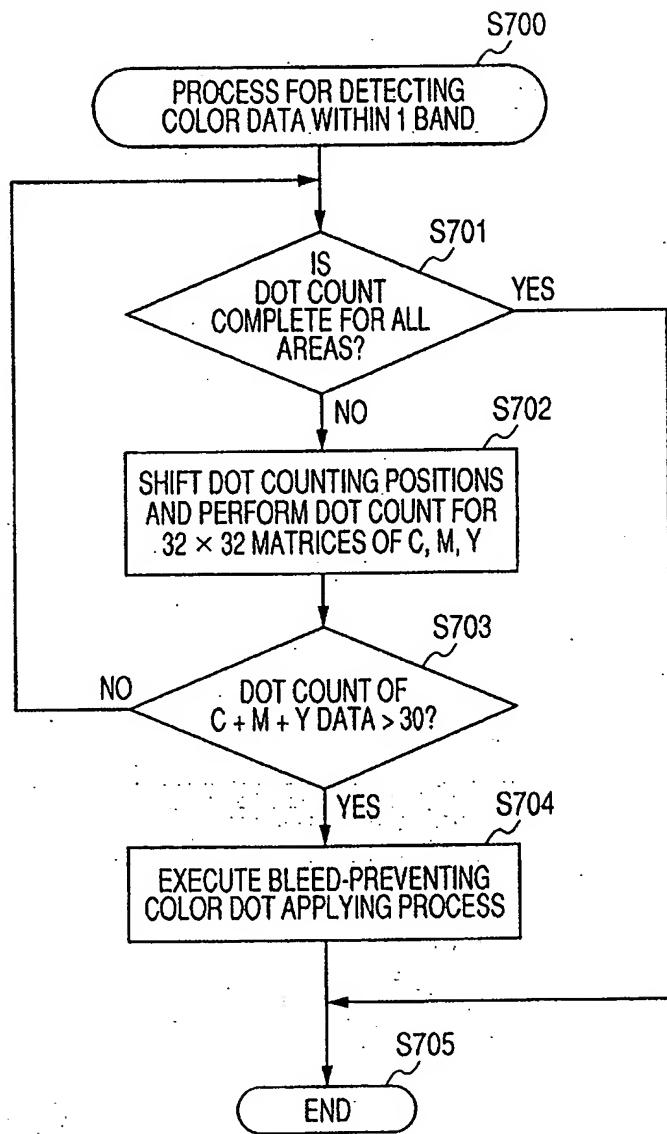
FIG. 19



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FIG. 20



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ORIGINAL Bk DATA

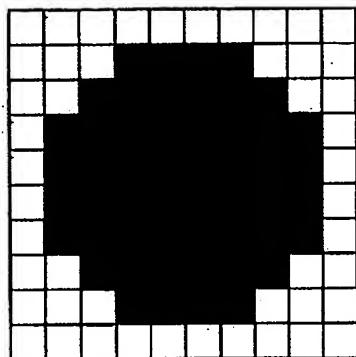


FIG. 21A

Bk INVERTED DATA

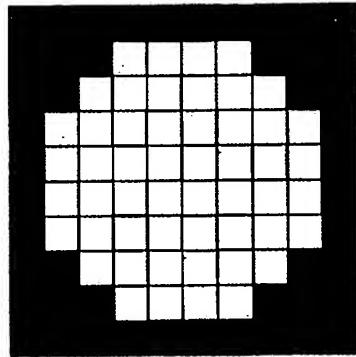


FIG. 21B

Bk INVERTED BOLD DATA

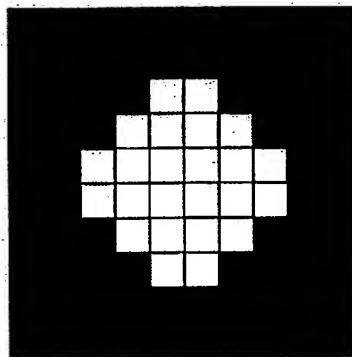


FIG. 21C

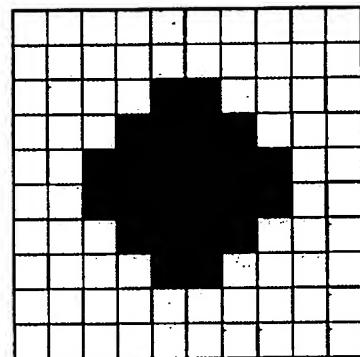
DATA ON PIXELS ADJACENT  
TO BLACK DOTS

FIG. 21D

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ORIGINAL Bk DATA

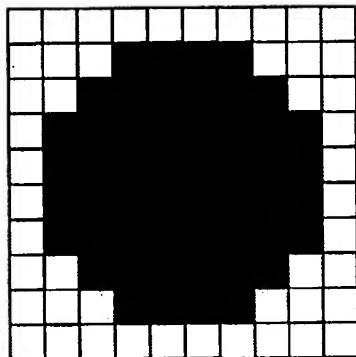


FIG. 22A

ORIGINAL COLOR DATA

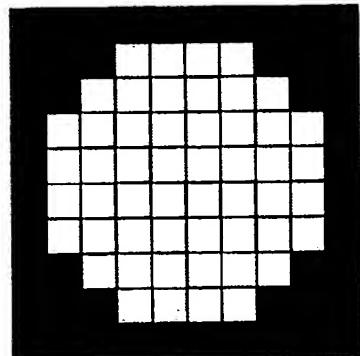


FIG. 22B

Bk INVERTED BOLD DATA

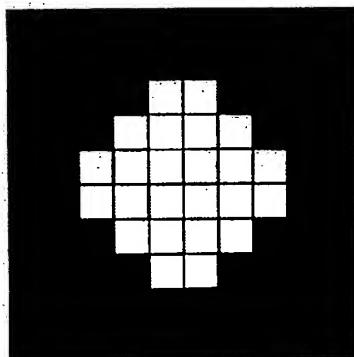


FIG. 22C

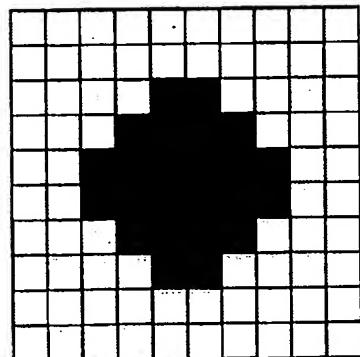
DATA ON PIXELS ADJACENT  
TO BLACK DOTS

FIG. 22D

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ORIGINAL Bk DATA

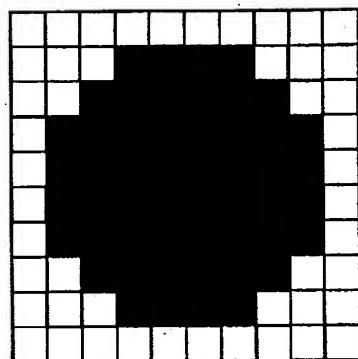


FIG. 23A

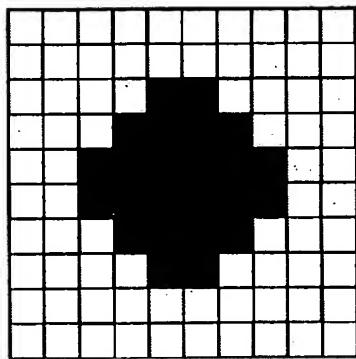
DATA ON PIXELS ADJACENT  
TO BLACK DOTS

FIG. 23B

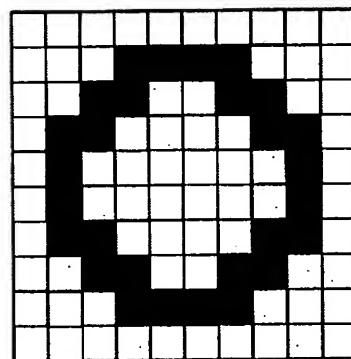
DATA ON PIXELS NOT  
ADJACENT TO BLACK DOTS

FIG. 23C

DATA ON PIXELS  
NOT ADJACENT  
TO BLACK DOTS

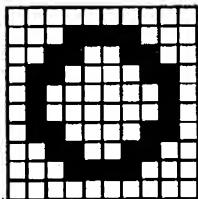


FIG. 24A

CYAN MASK 3  
(9%)

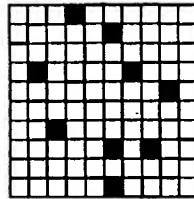


FIG. 24B

CYAN-APPLYING  
DATA ON  
NONADJACENT  
PIXELS

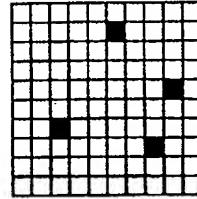


FIG. 24E

CYAN-APPLYING  
DATA

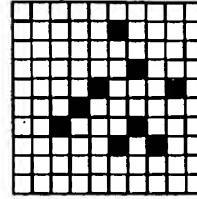


FIG. 24H

MAGENTA MASK 3  
(3%)

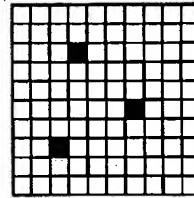


FIG. 24C

MAGENTA-APPLYING  
DATA ON  
NONADJACENT  
PIXELS

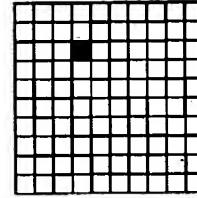


FIG. 24F

MAGENTA-APPLYING  
DATA

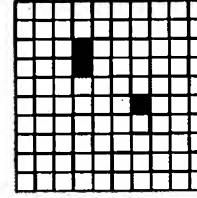


FIG. 24I

YELLOW MASK 3  
(2.5%)

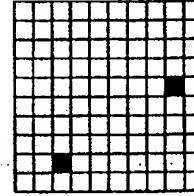


FIG. 24D

YELLOW-APPLYING  
DATA ON  
NONADJACENT  
PIXELS

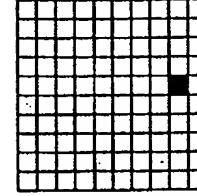


FIG. 24G

YELLOW-APPLYING  
DATA

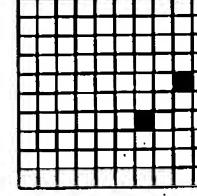
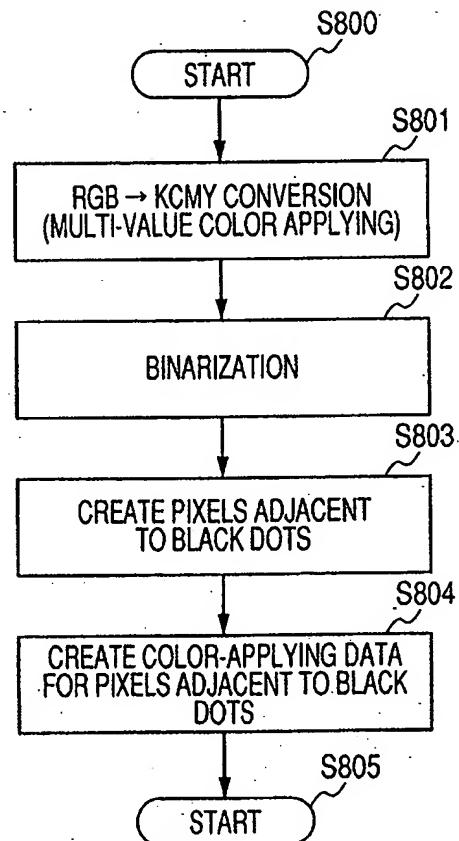


FIG. 24J

FITZPATRICK, CELLA, HARPER & SCINTO  
30 ROCKEFELLER PLAZA  
NEW YORK, NEW YORK 10112  
212-218-2100

INVENTOR: Masaharu Shimakawa et al.  
TITLE: Recording Apparatus and Data etc.  
Sheet 25 of 27  
National Phase of PCT/JP2004/017229  
Docket No.: 03500.111239.

FIG. 25



FITZPATRICK, CELLA, HARPER & SCINTO  
30 ROCKEFELLER PLAZA  
NEW YORK, NEW YORK 10112  
212-218-2100

INVENTOR: Masaharu Shimakawa et al.  
TITLE: Recording Apparatus and Data etc.  
Sheet 26 of 27  
National Phase of PCT/JP2004/017229  
Docket No.: 03500.111239.

DATA ON PIXELS  
NOT ADJACENT  
TO BLACK DOTS

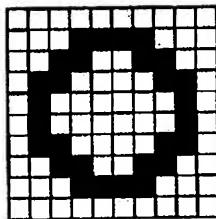


FIG. 26A

BK MASK 2 (80%)

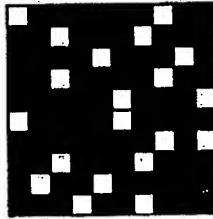


FIG. 26B

NONADJACENT  
PIXEL THINNED  
DATA

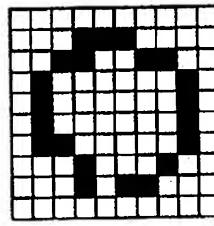


FIG. 26C

Bk RECORDING  
DATA

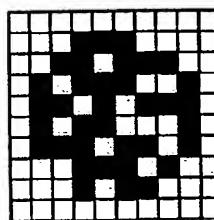


FIG. 26G

DATA ON PIXELS  
ADJACENT TO  
BLACK DOTS

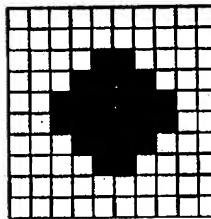


FIG. 26D

Bk MASK 3 (60%)

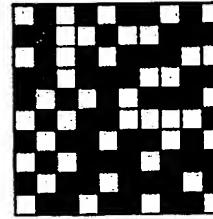


FIG. 26E

ADJACENT PIXEL  
THINNED DATA

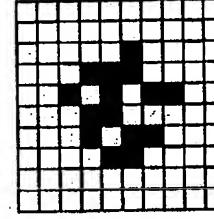


FIG. 26F

FIG. 27

